



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Weather Shield Manufacturing Inc.

One Weather Shield Plaza

Medford, WI. 54451

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Legacy 1103" Aluminum Clad Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1481**, titled: "Legacy Aluminum Clad Double Hung Picture Window (Model 1103)" Sheets 1 through 3 of 3, dated 05/24/06 with revision A1 dated 11/01/11, prepared by W. W. Schaefer Engineering & Consulting, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **06-0711.10** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-1005.08
Expiration Date: **October 05, 2016**
Approval Date: **December 15, 2011**
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1481**, titled: "Legacy Aluminum Clad Double Hung Picture Window (Model 1103)" Sheets 1 through 3 of 3, dated 05/24/06 with revision A1 dated 11/01/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of glazed single alum clad wood fixed window & mulled fixed wood windows, prepared by STORK Material Technology Inc., Test Report No. **SMT-180-7088**, dated 01/10/06, signed and sealed by Thomas Kolden, P.E.
(Submitted under previous NOA #06-0711.10)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 06/23/06, and updated on 11/01/11, signed and sealed by Warren W. Schaefer, P. E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

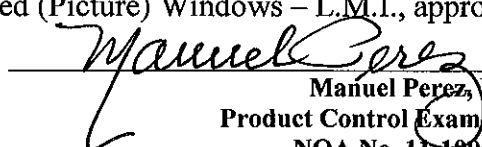
1. Notice of Acceptance No. **10-0413.04** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/10, expiring on 01/14/12.

F. STATEMENTS

1. Statement letter of conformance, complying with the FBC-2007 and FBC-2010, dated 11/01/11, signed and sealed Warren W. Schaefer, P. E.
2. Statement letter of no financial interest, dated 10/24/11, signed and sealed by Warren W. Schaefer, P.E.

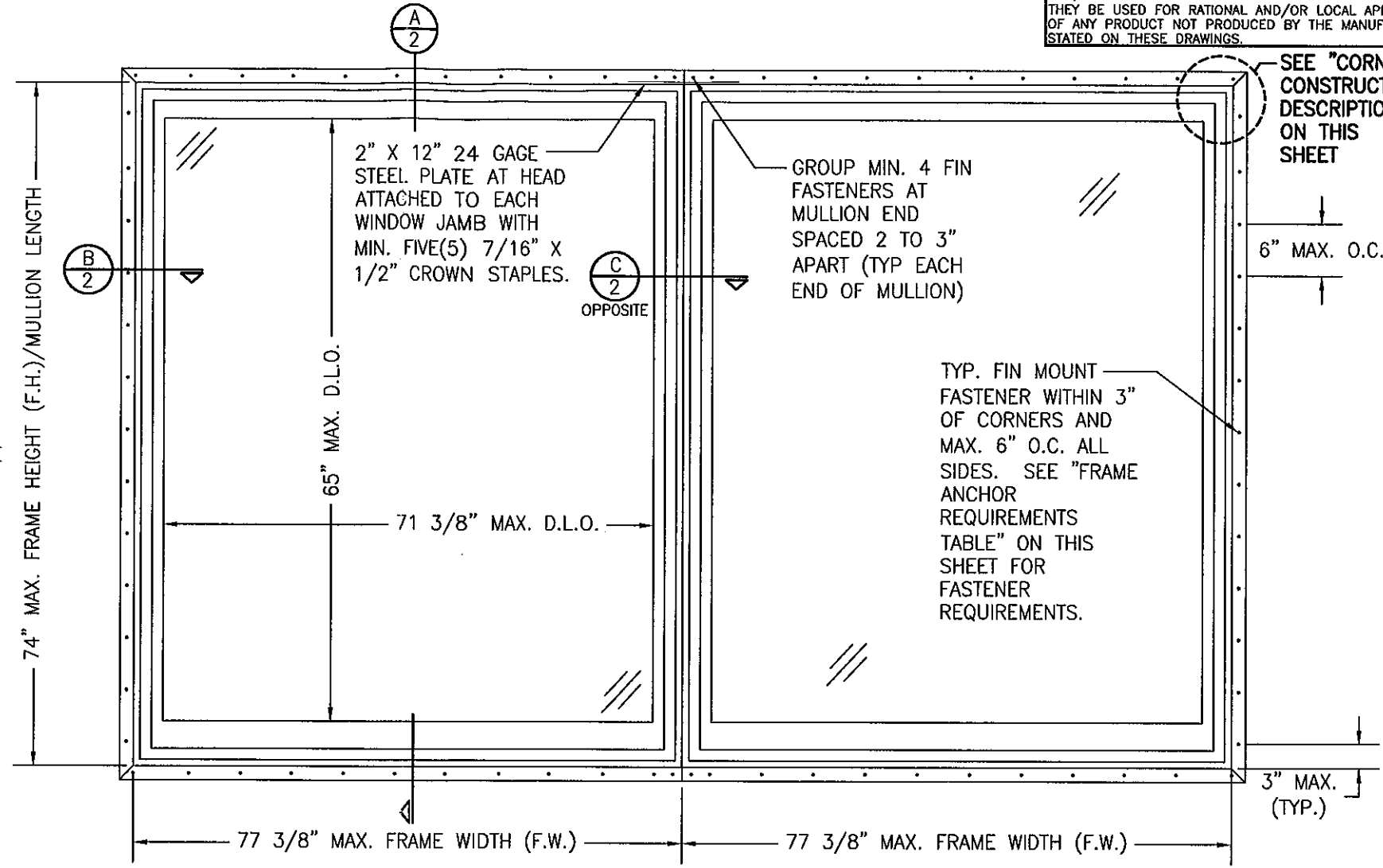
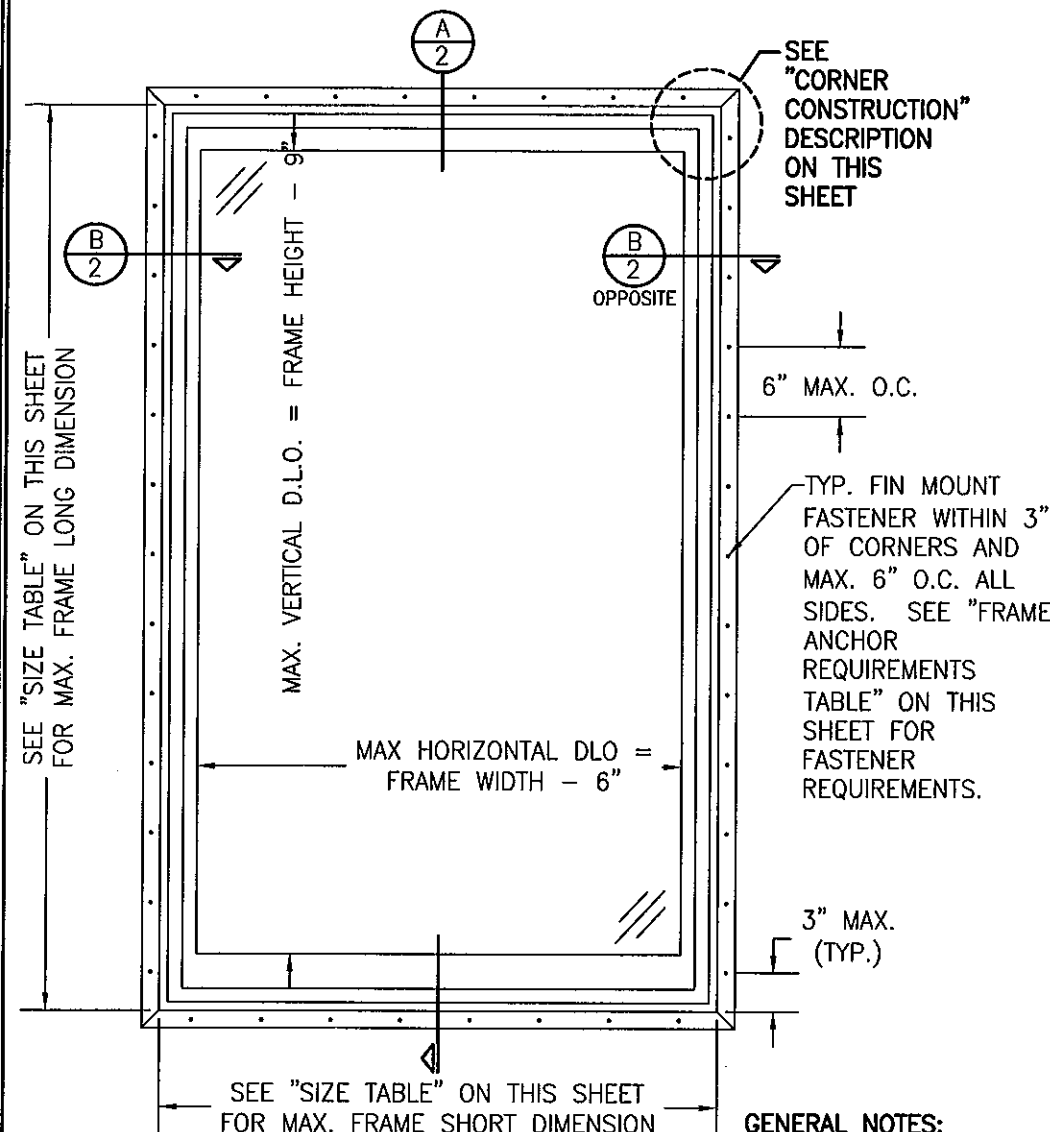
G. OTHERS

1. Notice of Acceptance No. **06-0711. 10**, issued to Weather Shield Manufacturing, Inc. for their Series "1103" Alum Clad Wood Fixed (Picture) Windows – L.M.I., approved on 10/05/06 and expiring on 10/05/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1005.08
Expiration Date: October 05, 2016
Approval Date: December 15, 2011

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=16	DATE:	05/24/06
NO.	AT	REVISION	DESCRIPTION
1	1	1	1
2	2	2	2
3	3	3	3
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7	7	7	7
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100	100	100	100



GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

EXTERIOR ELEVATION: MULTIPLE WINDOWS

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

1. ALL MULLED WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. UP TO 4 WINDOWS MAY BE STACKED HORIZONTALLY IN AN OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE WINDOWS & THEIR TRANSFERRED WIND LOADS.

ALLOWABLE DESIGN PRESSURE
(SINGLE & MULLED UNITS)
+55/-67.5 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1005.08
Expiration Date 07.5.2016
By *Manuel Perez*
Miami Dade Product Control

CORNER CONSTRUCTION:

FRAME CORNERS: WOOD JAMBS ARE RABBETED, BUTTED, SEALED WITH SILICONE & SECURED WITH THREE(3) 16 GAGE X 1/2" X 1 3/4" STAPLES PER CORNER. CLAD IS MITER CUT, SEALED AND SECURED WITH 1 NO. 6 X 1 1/4" SMS 410 S.S. SCREW PER CORNER.

SASH CORNERS: WOOD SASH CORNERS ARE TOUNGE & GROOVE FIT WITH CORNERS BUTTED AND SECURED WITH 1 NO. 8 X 2 1/2" SCREW THROUGH THE STILE INTO THE RAIL. ALUMINUM CLAD CORNERS ARE MITER CUT & SECURED WITH 2 NO. 6 X 1 1/4" SMS 410 S.S. SCREWS & SEALED WITH SILICONE.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FIN MOUNT FASTENER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/2"	1/2"

ALLOWABLE SINGLE WINDOW SIZE TABLE

WITH GLASS OPTION 1 (HEAT STRENGTHENED)		WITH GLASS OPTION 2 (ANNEALED)	
MAX. FRAME LONG DIMENSION	MAX. FRAME SHORT DIMENSION	MAX. FRAME LONG DIMENSION	MAX. FRAME SHORT DIMENSION
(IN.)	(IN.)	(IN.)	(IN.)
144"	45"	144"	39"
132"	50"	132"	43"
120"	55"	120"	47"
108"	61"	108"	53"
101 1/4"	65 1/4"	96"	59"
96"	68"	90"	63"
90"	73"	84"	68"
89"	74"	77 3/8"	74"

1. ALL HEIGHT & WIDTH DIMENSIONS ARE +/- 1/2"

DRAWING TITLE
LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103)

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS

ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

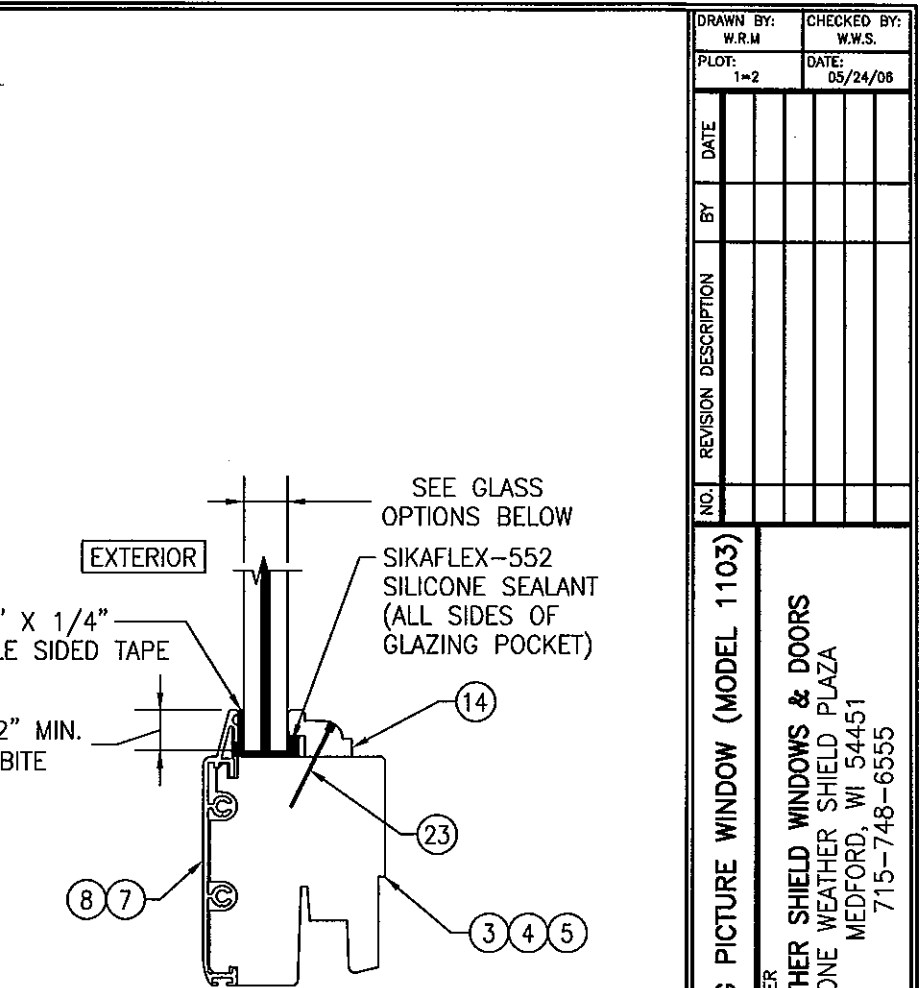
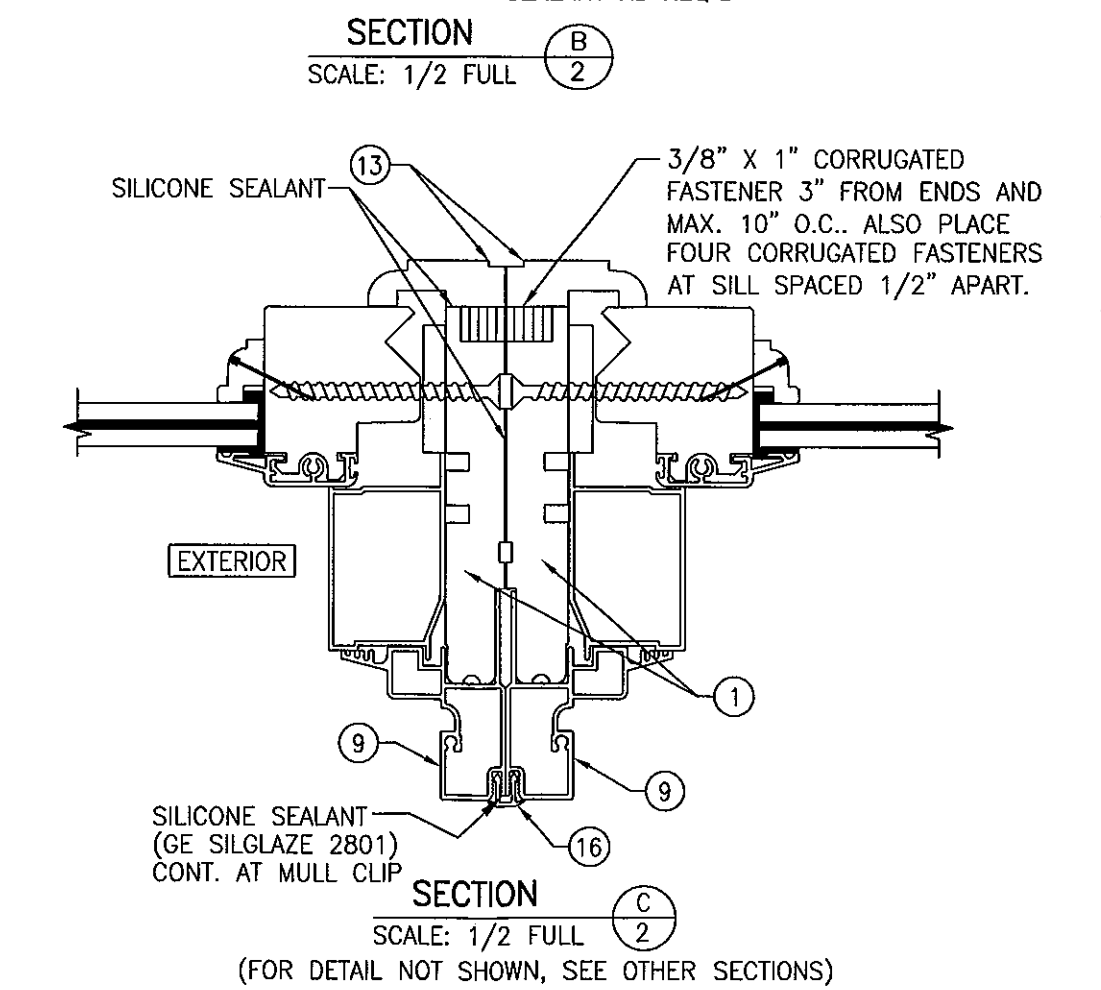
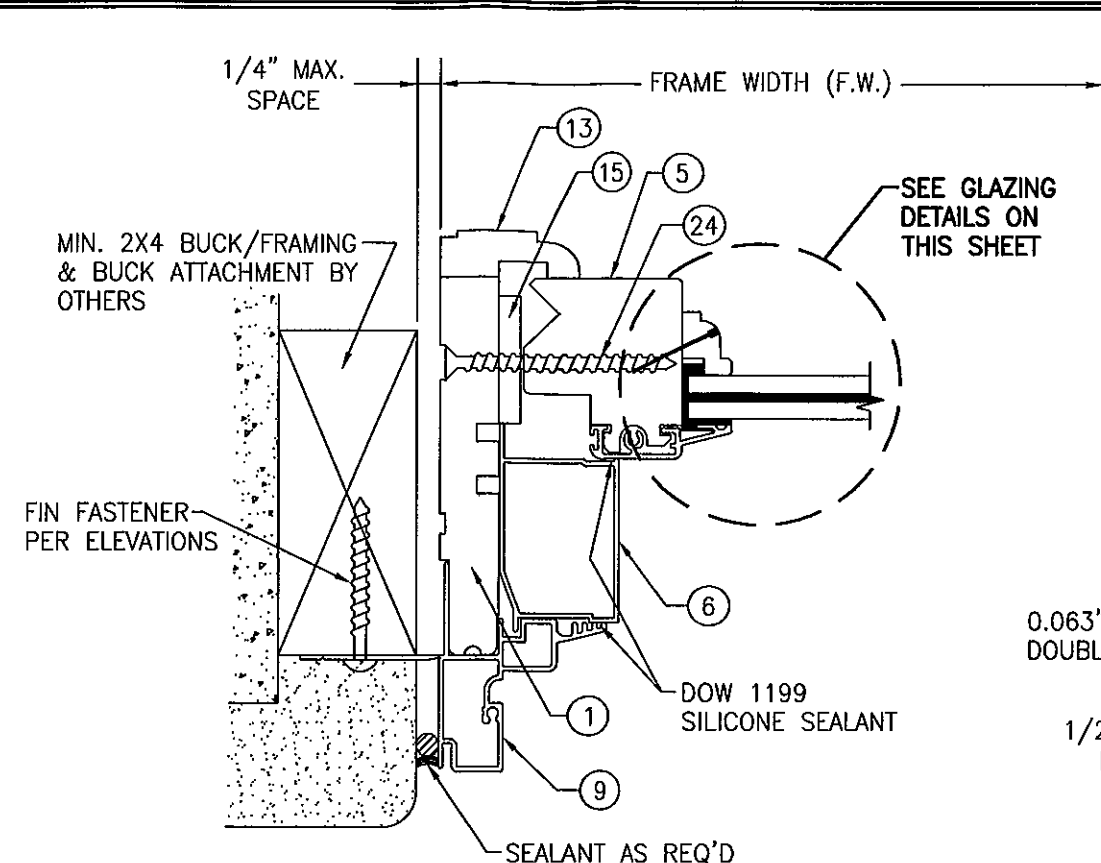
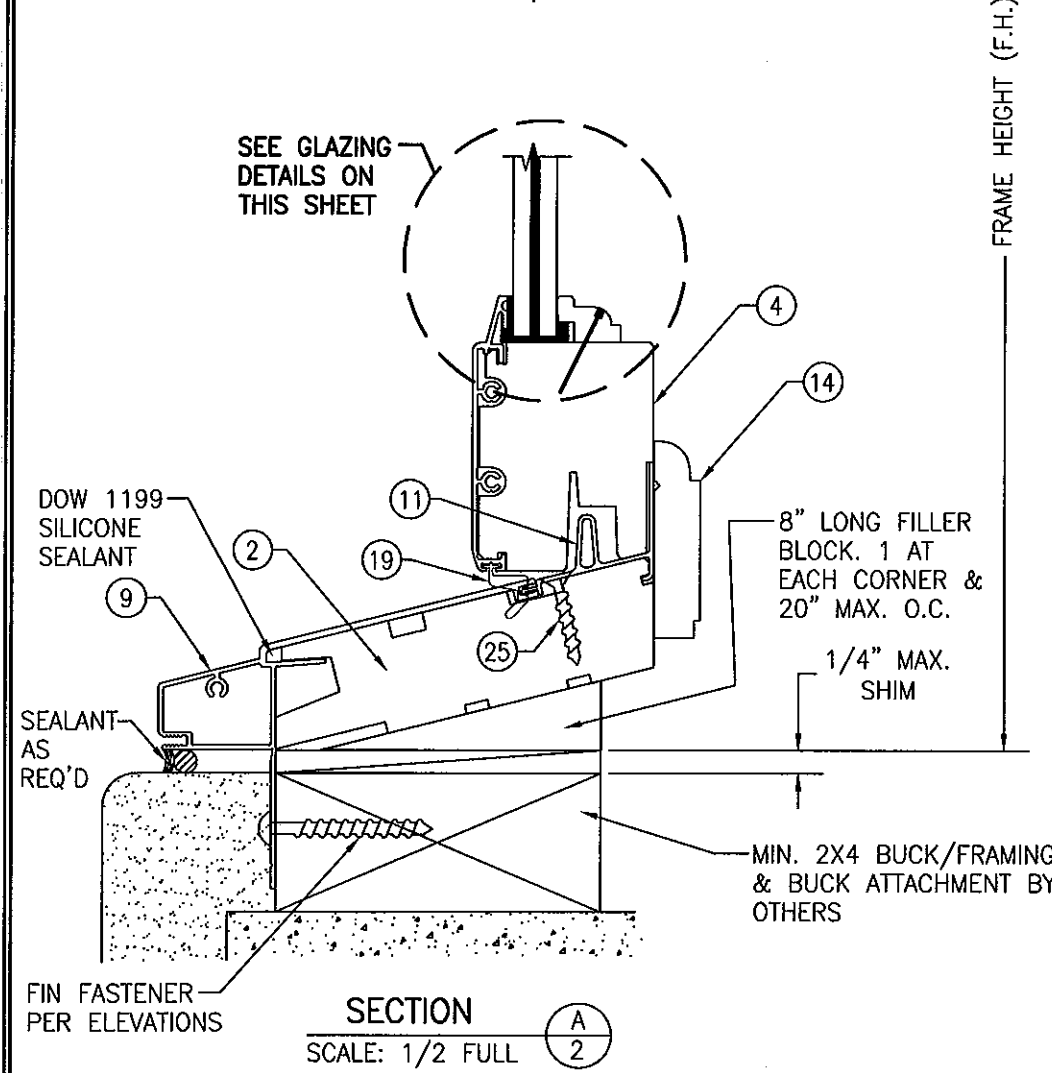
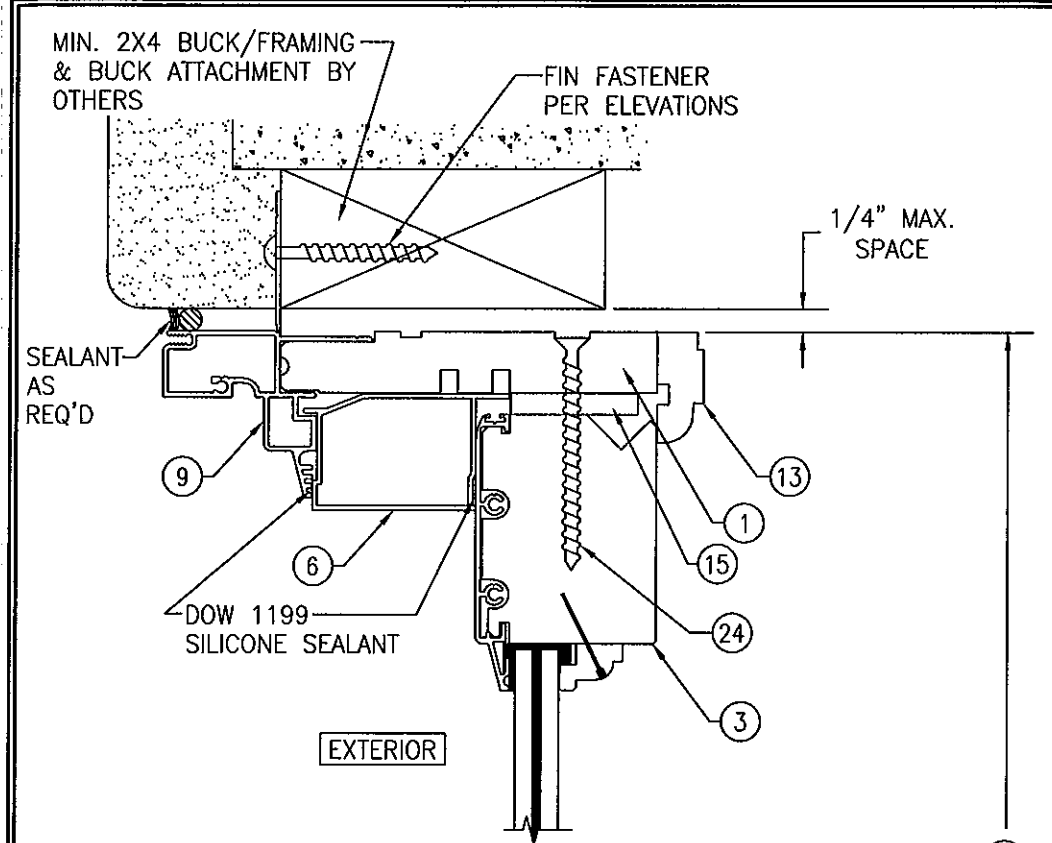
CONSULTANTS
W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)

7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION

NOV 01 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1481
SHEET NO. 3
REV. A

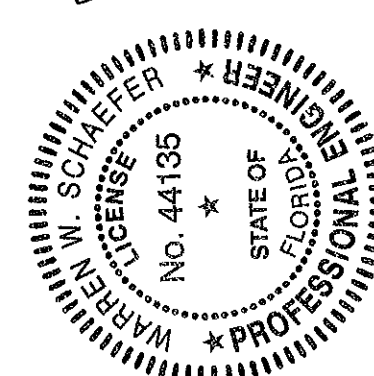



TYP. GLAZING DETAIL

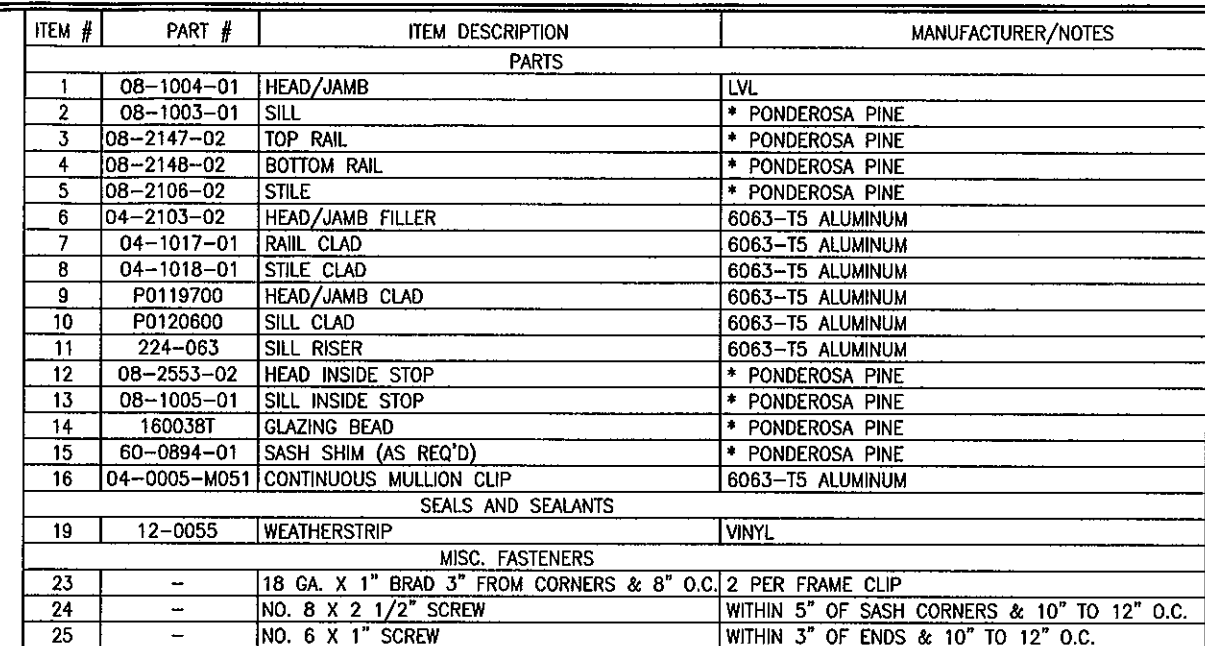
GLASS OPTION 1:
9/16" THICK LAMINATED HEAT STRENGTHENED GLASS (1/4" HT. ST./0.09 DUPONT SG/1/4" HT.ST)

GLASS OPTION 2:
9/16" THICK LAMINATED ANNEALED GLASS (1/4" AN/0.09 DUPONT SG/1/4" AN)

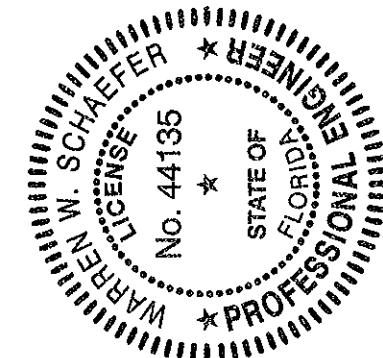
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1005.08
Expiration Date Oct. 5, 2016
By *Maurel Perry*
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.			
PLOT: 1=2		DATE: 05/24/08			
NO.	REVISION DESCRIPTION	BY	DATE	DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION  WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1481		REV. A	
SHEET NO. 2		OF		3	




PRODUCT REVISED
as complying with the Florida
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By Manuel Perez
Miami/Dade Product Control



DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103)	DRAWN BY: W.R.M		CHECKED BY: W.W.S.		
	PLOT: 1=2		DATE: 05/24/06		
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	NO.	REVISION	DESCRIPTION	BY	DATE
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	NO.	REVISION	DESCRIPTION	BY	DATE

CERTIFICATION



NOV 01 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1481	REV. A
SHEET NO. 3 OF 3	